

FIG. 1

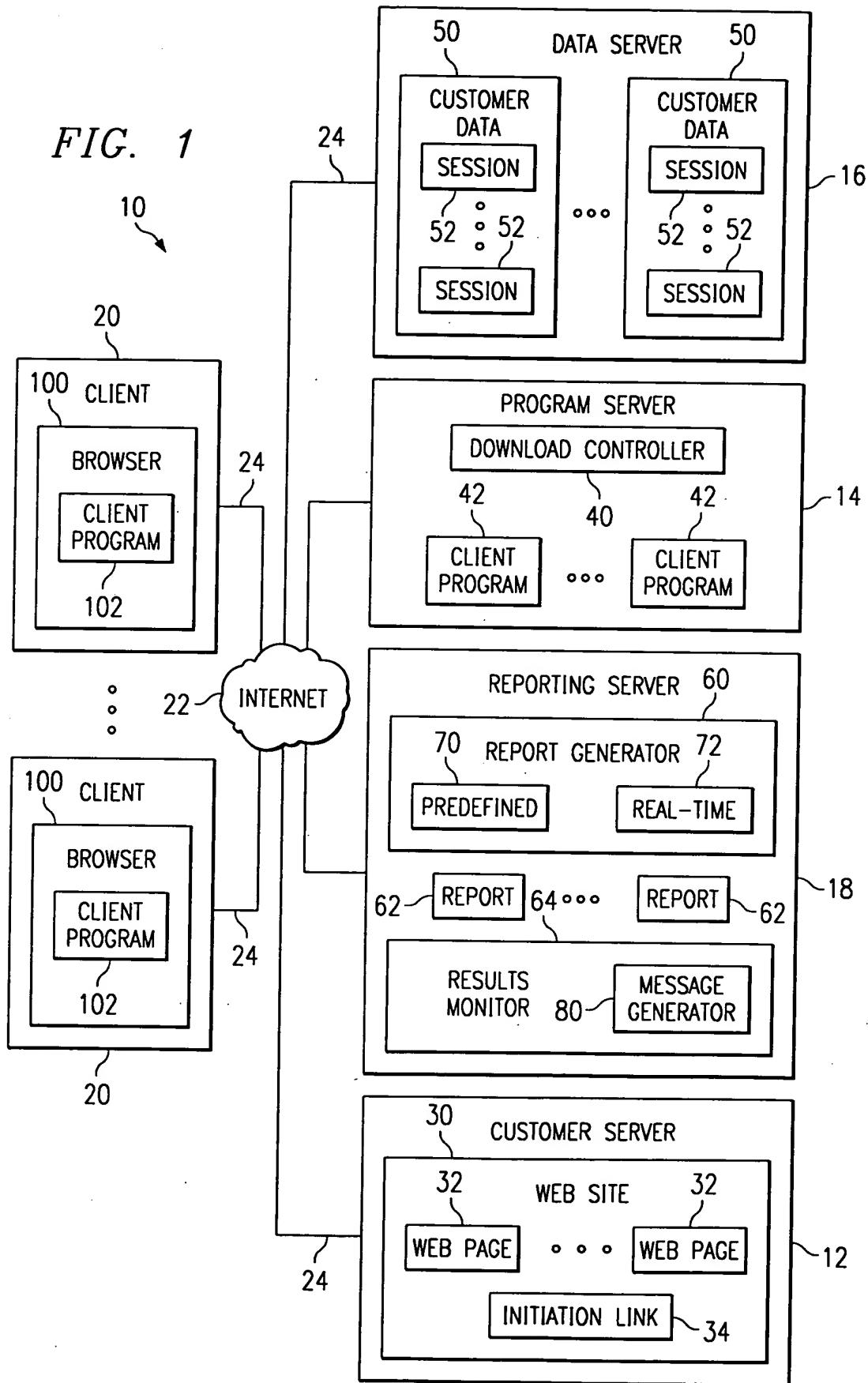


FIG. 3

START

MONITOR VISITOR
BROWSING ACTIVITY
FOR TARGETED EVENTSQUERY VISITOR
UPON OCCURANCE OF
TARGETED EVENTSGATHER RESPONSES
BY VISITOR TO QUERIESUPLOAD RESPONSES
TO CENTRALIZED SITEPROCESS RESPONSES
FOR REPORTING
TO CUSTOMER

END

FIG. 2

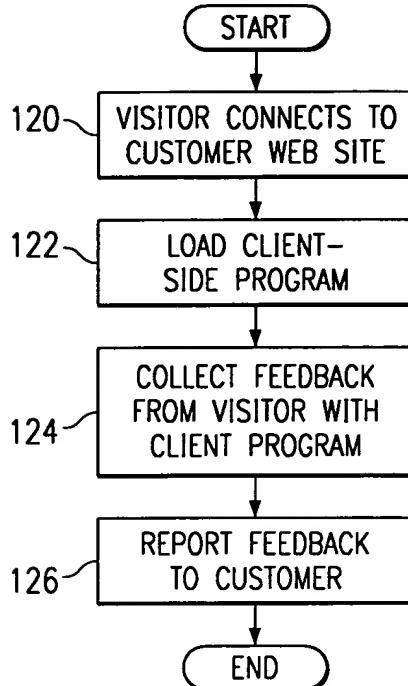
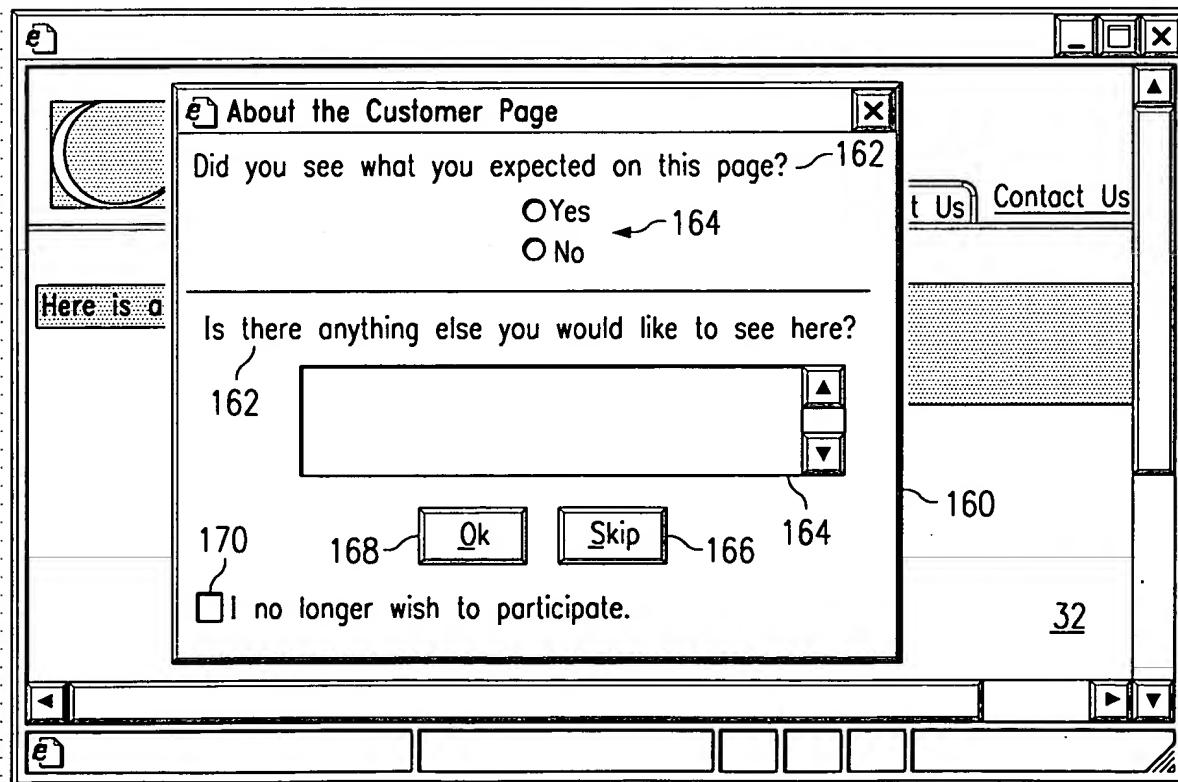


FIG. 4A



USABILITY SCIENCE CORPORATION

About the Usability Sciences Website

We are interested in learning whether the information on this site was helpful for you. Did you find what you were looking for at Usability Sciences?

Yes ↗ 184
 No ↗ 182

Please rate the overall quality of this site on a scale of 1 to 7, with 7 being the highest and 1 as the lowest.

182 ↗ 7 Extremely helpful
 6
 5
 4
 3
 2
 1 Not helpful at all

184 ↗

Usability is its customer performance QuickCards

In 1999 Lo distributing other QuickCards This partner strength of companies use of Usability www.desktothe headquarters information will be able to purchase the

Is there anything else you would like to see at Usability Sciences?

182 ↗

184 ↗

Ok
 Skip

□ I no longer wish to participate.

FIG. 4B

FIG. 5

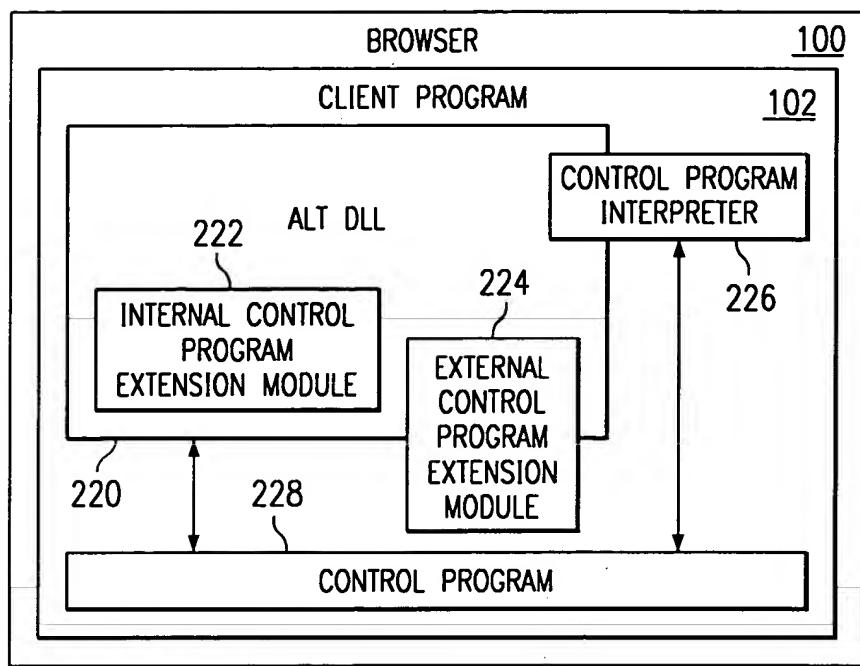


FIG. 6

STATE ID	BROWSER EVENT	CRITERIA	ACTION	NEXT STATE
1	MOUSE CLICK	*.xyz.com	ASK QUESTION	2
1	MOUSE OVER	*.xyz.com,location	ASK QUESTION	3
2	*	*	ASK QUESTION	-
3	MOUSE CLICK	*	ASK QUESTION	-
...
...

Annotations:

- 228 is associated with the STATE ID column.
- 242 is associated with the BROWSER EVENT column.
- 244 is associated with the CRITERIA column.
- 246 is associated with the ACTION column.
- 248 is associated with the NEXT STATE column.
- 240 is associated with the first row of the table.

FIG. 7A

```
////////////////////////////////////////////////////////////////////////
// Program   : Example
//
// Purpose   : This program is used to interact with web users while on the
//              XYZ Company web site.
//
////////////////////////////////////////////////////////////////////////
// Import the API function definitions that will be used to provide WebIQ-specific
// functionality
module "..\WebiQ.iem";

////////////////////////////////////////////////////////////////////////
// Function   : IntroduceXYZDemo
//
// Purpose   : Inform the web site user that WebIQ is currently running and what
//              they can expect while interacting with the XYZ web site.
//
// Params    : None
//
// Return    : Nothing
//
////////////////////////////////////////////////////////////////////////
void IntroduceXYZDemo (void)
{
    int nDialogResult;

    // Attempt to create a dialog that will be used to display informational text to
    // the user. If the dialog has already been created, then the function will return 0
    // and we don't need to go through the process of adding the necessary questions.
    if(CreateDialog("XYZDemoIntroBox","XYZ WebIQ Demonstration",""))
    {
        // Create the first statement "question".
        CreateQuestion (
            "WelcomeStatement",
            "Welcome to the XYZ WebIQ Demonstration.");
    }
}
```

FIG. 7B

FROM FIG. 7A

```
1,
"Welcome to the XYZ.com WebIQ demo,
1,
1
};

///////////////////////////////
// Add the newly-created question to the newly-created dialog
///////////////////////////////
AddQuestion ("XYZDemoIntroBox", "WelcomeStatement");

///////////////////////////////
// Add some vertical space to the dialog so that the questions are separated a bit.
///////////////////////////////
AddSpace ("XYZDemoIntroBox",2)

///////////////////////////////
// Create the next statement "question" that'll be used to inform the user what
// WebIQ is doing and what they can expect.
///////////////////////////////
CreateQuestion(
  "DemoStatementSeg1",
  "WebIQ is currently running in your browser, although you will not notice it
unless>>
 1,
  "explanation that WebIQ is running and transparent to users",
  1,
  1
);

///////////////////////////////
// Add the newly-created question to the newly-created dialog.
///////////////////////////////
AddQuestion ("XYZDemoIntroBox", "DemoStatementSeg1")

///////////////////////////////
// Create yet another statement "question" that will explain WHY WebIQ will do
// what it will do.
///////////////////////////////
CreateQuestion (
```

TO FIG. 7C

FIG. 7C

FROM FIG. 7B

```
"DemoStatementSeg2",
"A question box will be triggered when you perform an action that has been
program>>
1,
"explanation that WebIQ is triggered by pre-programmed events",
1,
1
};

///////////////////////////////
// Add the newly-created question to the newly-created dialog.
///////////////////////////////
AddQuestion ("XYZDemoIntroBox", "DemoStatementSeg2");
}

///////////////////////////////
// Display the dialog to the user.
///////////////////////////////
nDialogResult = DisplayDialog ("XYZDemoIntroBox");

///////////////////////////////
// Unregister the event that causes this question to be displayed so that it'll never be
// shown again
///////////////////////////////
UnregisterPageEvent ("XYZDemoStart", "XYZHomepage");
}

///////////////////////////////
// Function   : AskAboutXYZSite
//
// Purpose    : Solicit some feedback from the user with regard to the usefulness of
//               the XYZ web site.
// Params     : None
//
// Return     : Nothing
//
///////////////////////////////
void AskAboutXYZSite (void)
{
    int nDialogResult;
```

TO FIG. 7D

FIG. 7D

FROM FIG. 7C

```
////////////////////////////////////////////////////////////////////////
// Attempt to create a dialog on which some questions will be placed to get a feel
// for the user's opinion with regard to the usefulness of the web site. If the dialog
// has already been created, then the function will return 0 and we don't need to
// go through the process of adding the necessary questions.
////////////////////////////////////////////////////////////////////////
if (CreateDialog("XYZSiteExitBox","About the XYZ.com Website",""))
////////////////////////////////////////////////////////////////////////
// Create a radio button-based question that asks the user if they found the site
// to be helpful.
////////////////////////////////////////////////////////////////////////
CreateQuestion (
  "SiteFeedbackQues",
  "We are interested in learning whether the information on this site was helpful
  fo>>
  1,
  "did you find what you were looking for on XYZ.com?",
  3,
  2
);
////////////////////////////////////////////////////////////////////////
// And a "yes" option to the newly-created question (defaults to unselected).
////////////////////////////////////////////////////////////////////////
AddQuestionOption ("SiteFeedbackQues", 1, "Yes", 0);
////////////////////////////////////////////////////////////////////////
// Add a "no" option to the newly-created question (defaults to unselected).
////////////////////////////////////////////////////////////////////////
AddQuestionOption ("SiteFeedbackQues", 1,"No", 0);
////////////////////////////////////////////////////////////////////////
// Add the newly-created question to the newly-created dialog
////////////////////////////////////////////////////////////////////////
AddQuestion("XYZSiteExitBox", "SiteFeedbackQues");
////////////////////////////////////////////////////////////////////////
// Add a line (that is 2 pixels thick) to the dialog to separate the questions on the
// dialog
```

FIG. 7E

FROM FIG. 7D

```
AddLine("XYZSiteExitBox", 2);

////////////////////////////// Create a radio button-based question that asks the user to create the quality of
// the site on a scale of 1 to 7.
////////////////////////////// CreateQuestion(
"XYZSatSurvey",
Please rate the overall quality of this site on a scale of 1 to 7, with 7 being t>>
1,
"satisfaction survey for xyz.com, on a scale of 1 (bad) to 7 (good)",
3,
2
);

////////////////////////////// Add an option to the question for each of the rating possibilities
////////////////////////////// AddQuestionOption ("XYZSatSurvey", 1, "7 Extremely helpful", 0);
AddQuestionOption ("XYZSatSurvey", 1, "6, 0);
AddQuestionOption ("XYZSatSurvey", 1, "5, 0);
AddQuestionOption ("XYZSatSurvey", 1, "4, 0);
AddQuestionOption ("XYZSatSurvey", 1, "3, 0);
AddQuestionOption ("XYZSatSurvey", 1, "2, 0);
AddQuestionOption ("XYZSatSurvey", 1, "1, Not helpful at all", 0);

////////////////////////////// Add the newly-created question to the newly-created dialog
////////////////////////////// AddQuestion ("XYZSiteExitBox", "XYZSatSurvey");

////////////////////////////// Add a line (that is 2 pixels thick) to the dialog to separate the questions on the
// dialog
////////////////////////////// AddLine ((XYZSiteExitBox", 2);

////////////////////////////// Create a text entry-based question that'll allow the user to provide arbitrary
```

FIG. 7F

FROM FIG. 7E

```
// feedback with regard to what they would like to see added to the web site.
///////////////////////////// CreateQuestion (
    "XYZSiteSuggestion",
    "Is there anything else you would like to see at XYZ.com?"
```

1
"request for suggestions about XYZ.com",
2,
2
);

```
// Set the parameters for the text entry box (aprox. 40 characters wide, 3 lines
// high, and a maximum of 200 characters that can be entered)
///////////////////////////// SetQuestionEditParams ("XYZSiteSuggestions", 40, 3, 200);
```

```
// Add the newly-created question to the dialog
///////////////////////////// AddQuestion (XYZSiteExitBox", "XYZSiteSuggestions")
```

}

```
// Display the dialog to the user.
///////////////////////////// nDialogResult = DisplayDialog ("XYZSiteExitBox");
```

```
// Unregister the event that causes this question to be displayed so that it'll never
// be shown again.
///////////////////////////// UnregisteredSiteEvent ("XYZSiteExit", "XYZSite");
```

}

```
// Function : OnInit
```

FIG. 7G
FROM FIG. 7E

```
///
// Purpose   : This function is called when the program is initialized by the
//               interpreter
//
// Params    : None
//
////////////////////////////////////////////////////////////////
void OnInit (void)

////////////////////////////////////////////////////////////////
// Set the default caption or the checkbox that allows the user to prevent future
// dialogs from popping up. This will apply to all dialogs.
////////////////////////////////////////////////////////////////
SetStopMessage (" ", "I no longer wish to participate.");

////////////////////////////////////////////////////////////////
// Create a page attachment to the home page of the XYZ Company web site.
////////////////////////////////////////////////////////////////
CreatePageAttachment ("XYZHomepage", "http://www.im.xyz.com/American*");

////////////////////////////////////////////////////////////////
// For the page attachment for the home page of the XYZ Company web site,
// add a specific value in order for all events associated with the page attachment
// to be valid.
////////////////////////////////////////////////////////////////
AddPageRequirement ("XYZHomepage", "TITLE", "Home Page with Login", 0);

////////////////////////////////////////////////////////////////
// Register on OnLoad event for the home page. This will cause the Onsignal( )
// function to be called when the page has loaded.
////////////////////////////////////////////////////////////////
RegisterPageEvent ("XYZDemoStart", "XYZHomepage", "OnLoad");

////////////////////////////////////////////////////////////////
// Create a page attachment to just about any page within the XYZ Company
// web site.
////////////////////////////////////////////////////////////////
CreatePageAttachment ("XYZSite", "http://www/im/xyz/com/xyz*");
```

FIG. 7H

FROM FIG. 7G

FIG. 7I

FROM FIG. 7H

```

// The following logic is pretty self-explanatory
///////////////////////////////
if(sEventID=="XYZDemoStart")
{
    IntroduceXYZDemo ( );
}
else if (sEventID=="XYZSiteExit")
{
    AskAboutXYZSite ( );
}
///////////////////////////////
// When the user leaves the XYZ Company web site, we want to terminate WebIQ
///////////////////////////////
Quit ( );
}

```

FIG. 10

400

402 404 406 408 410

Report Wizard: 1)Select Site 2)Select Project 3)Select Report 4)Report

420 'Question USCSatSurvey' Report

Question: satisfaction survey for USC, on a scale of 1 (bad) to 7 (good)

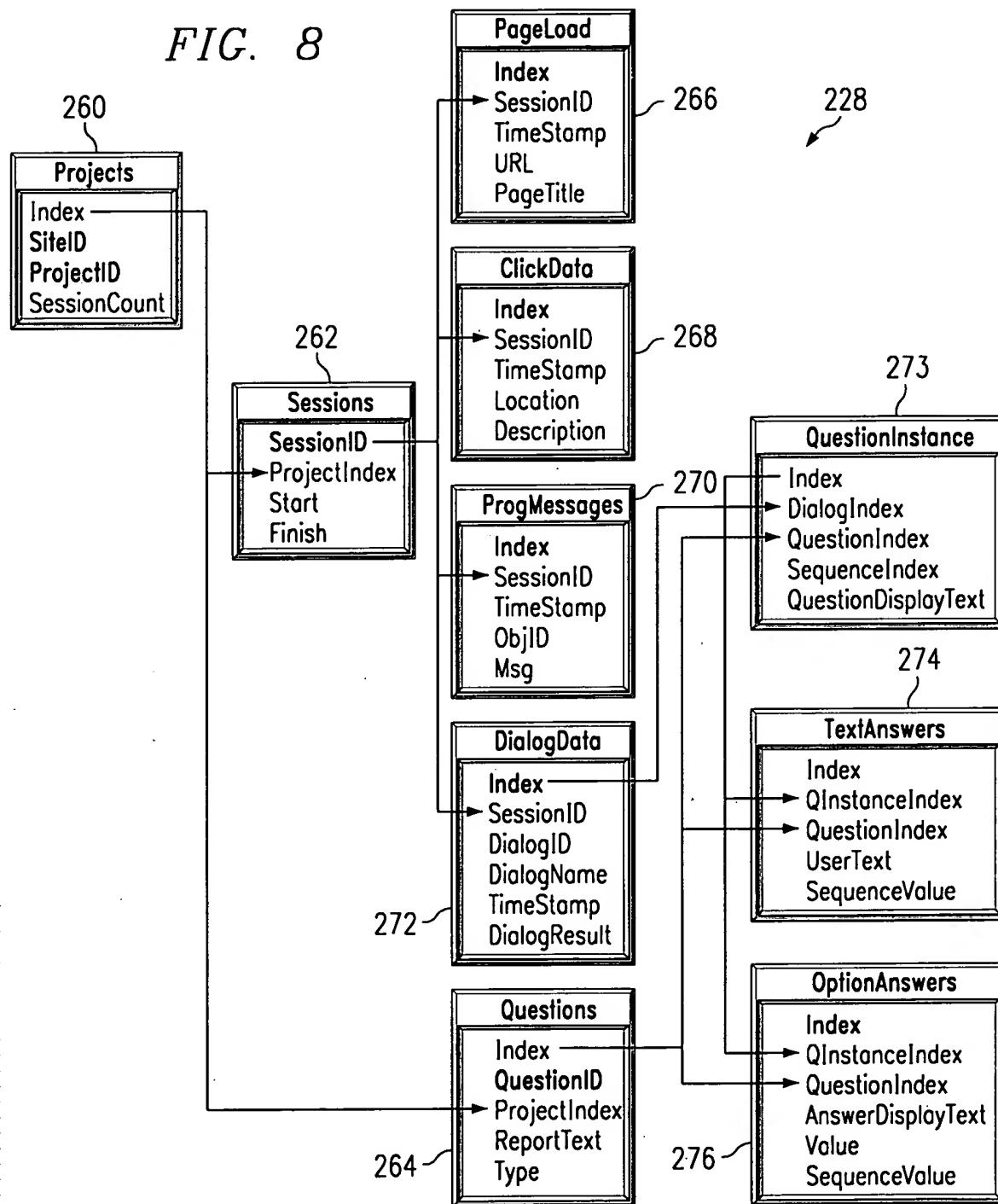
Type: Option Buttons

Percentage answered: 33%

Total Sessions Offered: 3

Answer Text	Times Selected	Percentage Selected
1 Not helpful at all	0	0%
2	0	0%
3	0	0%
4	1	33%
5	1	33%
6	1	33%
7 Extremely helpful	0	0%

FIG. 8



Questions Table

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FIG. 9A

Index	QuestionID	ProjectIndex	ReportText	Type
1	QRateSite	1	Please rate the [section] section between 1 (bad) and 7 (good)	3
2	QWhatElse	1	What other features would you like to see on our site?	2

DialogData Table

272

FIG. 9B

Index	SessionID	DialogID	DialogName	TimeStamp	DialogResult
1	1	SectionReviewDialog	Rate This Section	08/30/2000 11:01:25 AM	1

QuestionInstance Table

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FIG. 9C

Index	DialogIndex	QuestionIndex	SequenceValue	QuestionDisplayText
1	1	2	1	What other features would you like to see on our site?
2	1	1	2	Please rate the Services section between 1 (Bad) and 7 (Good).

TextAnswers Table

274

FIG. 9D

Index	QinstanceIndex	QuestionIndex	UserText	SequenceValue
1	1	2	I would like a search feature on your site.	1

OptionAnswers Table

276

FIG. 9E

Index	QinstanceIndex	QuestionIndex	AnswerDisplayText	Value	Sequence Value
1	2	1	1 (Bad)	0	7
2	2	1	2	0	6
3	2	1	3	0	5
4	2	1	4	0	4
5	2	1	5	1	3
6	2	1	6	0	2
7	2	1	7 (Good)	0	1

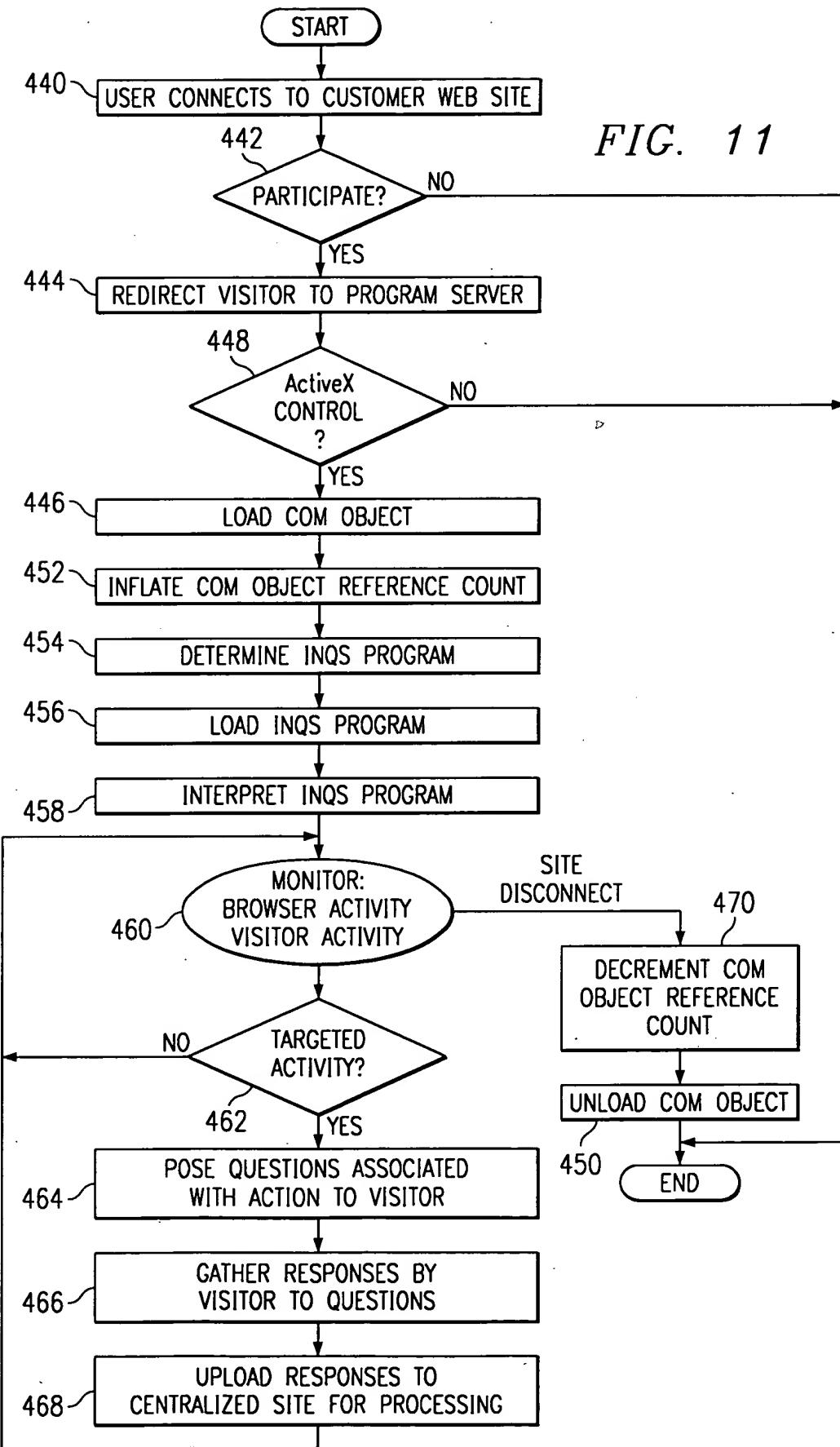


FIG. 12

